

ITEM 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Unplasticized polyvinyl chloride (PVCu Beads)
 Company Renderplas Ltd, No. 2, 70-72 High Street, Bewdley, DY12 2DJ ☎01299 888333

ITEM 2 HAZARDS IDENTIFICATION

- The material is not classified as hazardous. It is not classified as harmful, and there should be no harmful effects or associated risks in normal use, especially since the potentially hazardous components are not freely available as they are fused into solid form and are within safe limits by percentage content.
- Swarf may be generated during sawing.
- Misuse through overheating (over 279 degrees Celsius) will lead to thermal decomposition which will evolve toxic and corrosive gases and vapours.

ITEM 3 COMPOSITION / INFORMATION ON INGREDIENTS

PVC Polymer together with polyacrylate modifier, inert pigments and fillers, waxes and acetylacetonate stabilisers.

Name	EC Index No.	CAS Registry No.	W/W%	Risk Phrases
Calcium Carbonate <i>Not Harmful</i>	1317-65-3	-	1-20%	Nil
Bis(Pentane-2,4-dionato)-Calcium <i>Not harmful below 1% W/W</i>	243-001-3	19372-44-2	<0.5%	R22, R41, R43
Di-isononyl Phthalate <i>Not harmful when fused in solid form (EC Official Journal L104/45 – 13.4.2006)</i>	249-079-5	28553-12-0	0-20%	R62, R63

ITEM 4 FIRST-AID MEASURES

- *Skin Contamination* – Not considered a skin sensitiser but swarf from sawing being irregular, fairly hard particles can have an abrasive effect on the skin. This is particularly so where they can form a layer between the skin and clothing.
- *Eye Contamination* – In case of swarf or dust in eyes, rinse with water.

ITEM 5 EFFECT OF FIRE

- Unplasticized polyvinyl chloride does not readily support combustion and if the source of ignition is removed it is classified as self-extinguishing, but like most organic materials, it can be consumed by fire.
- The major products of combustion/decomposition are carbon dioxide, carbon monoxide, hydrogen chloride and water vapour. Carbon monoxide and hydrogen chloride are toxic with occupational exposure standard of 50ppm and 5ppm respectively and inhalation must be avoided.
- Highly corrosive hydrogen chloride is given off during combustion/degradation. Directly affected areas should be cleaned down to remove corrosive decomposition on equipment etc. as soon as possible after the fire has been extinguished.
- Extinguishing Media Dry powder, water mist, foam, carbon dioxide.
Check for special circumstances e.g. live electrical equipment which may affect the choice of extinguisher.
- Protective Equipment In major fire situations, toxic and corrosive vapours will be evolved and self-contained breathing apparatus and acid resistant clothing should be worn.

ITEM 6 HANDLING & STORAGE
<ul style="list-style-type: none">• Keep product away from heat and store horizontally in a clean dry area.• Normal manual handling precautions should be observed.
ITEM 7 EXPOSURE CONTROLS & PERSONAL PROTECTION
<ul style="list-style-type: none">• Personal Protection – normal industrial protection such as overalls, dust masks and gloves should be available when working with unplasticized polyvinyl chloride. It is highly recommended that eating, drinking and smoking should be prohibited in areas where dust might be present.• It is recommended that goggles should be worn at all times during sawing.
ITEM 8 PHYSICAL & CHEMICAL PROPERTIES
<ul style="list-style-type: none">• Form Solid• Odour Slight Odour / Odourless• Solubility in Water Insoluble
ITEM 9 STABILITY & REACTIVITY
<ul style="list-style-type: none">• If handled and stored in a sensible, normal way the product will not present a hazard or cause harmful effects.• The material is quite inert.
ITEM 10 TOXICOLOGY INFORMATION
<ul style="list-style-type: none">• Inhalation of dust may cause respiratory irritation and coughing.• Dust in the eyes may cause temporary irritation.
ITEM 11 ECOLOGICAL INFORMATION
<ul style="list-style-type: none">• Ecologically benign.• Water Pollution – Non-hazardous.
ITEM 12 DISPOSAL CONSIDERATIONS
<ul style="list-style-type: none">• Recycle if possible.• Disposal should be in accordance with local or national legislation.
ITEM 13 TRANSPORT INFORMATION
<ul style="list-style-type: none">• Not classified as hazardous for transport.
ITEM 14 REGULATORY INFORMATION
<ul style="list-style-type: none">• This PVC preparation does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied. Such preparations do not require a label under regulations.
ITEM 15 OTHER INFORMATION
<ul style="list-style-type: none">• The above information describes the product only in terms of Health and Safety according to our current knowledge of the product. It does not form any part of a product specification or have any other purpose.• Should the user require any further information they should contact Renderplas Ltd.
Date of Issue 01/01/2012

